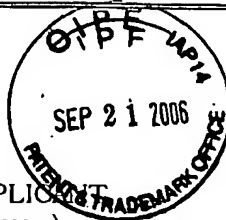


Form PTO-1449

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICELIST OF ART CITED BY APPLICANT  
(Use several sheets if necessary)ATTY. DOCKET NO.  
MI40-369SERIAL NO.  
10/734,072APPLICANT  
MARK E. TUTTLE ET AL.FILING DATE  
DECEMBER 10, 2003GROUP  
2891U.S. PATENT DOCUMENTS **EV 8.3 283 29 17**

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
<i>CME</i>	AA	4,413,254	11/83	PINNEO ET AL.	340	572	
<i>CME</i>	AB	4,506,148	03/85	BERTHOLD ET AL.	235	380	
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						

## FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
<i>CME</i>	AK	JP 8-7066	1/1996	JP (Phillips (Launay)	G06K	19/077	X	
	AL							
	AM							

## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)

	AN	
	AO	
	AP	

EXAMINER

*C. J. J. J.*

DATE CONSIDERED

*10-19-06*

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

EV832832917

Sheet 2 of 6

Form PTO-1449

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

EV850817280

DOCKET NO.  
M1401369SERIAL NO.  
10/734,072APPLICANT  
MARK E. TUTTLE ET AL.FILING DATE  
DEC. 10, 2003GROUP  
2891LIST OF ART CITED BY APPLICANT  
(Use several sheets if necessary)

COPY

## U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
<i>CME</i>	AA	4,484,355	11/19841	HENKE ET AL.	455	76	
	AB	4,539,472	09/1985	POETKER ET AL.	235	488	
	AC	4,724,340	05/1988	NOWIK ET AL.	340	572	
	AD	4,724,427	02/1988	CARROLL	340	572	
	AE	4,727,560	02/1988	VAN ZANTEN ET AL.	377	60	
	AF	4,746,618	05/1988	NATH ET AL.	437	2	
	AG	4,746,830	05/1988	HOLLAND	310	313	
	AH	4,756,717	07/1988	STURGIS ET AL.	427	290	
	AI	4,777,563	10/1988	TERAOKA ET AL.	361	395	
<i>CME</i>	AJ	4,783,646	11/1988	MATSUZAKI	340	572	

## FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
<i>CME</i>	AK	JP 2-179794	7/1990	Japan (Sony Corp.)	B42D	015/10	Abs	
<i>CME</i>	AL	JP 3-224799	10/1991	Japan (Sony Corp.)	B42D	015/10	Abs	
<i>CME</i>	AM	JP 4-359183	11/1992	Japan (Nippondenso Co. Ltd)	G01S	013/80	Abs	

## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)

	AN	KANATZIBIS, Mercouri G., "Conductive Polymers", Chemical and Engineering News--American Chemical Society, pp. 36-54 (12/1990)
	AO	
	AP	

EXAMINER

DATE CONSIDERED

*Cherhan*

10-19-06

COPY

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449

EV850817289

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEPAT. DOCKET NO.  
MI40-369SERIAL NO.  
10/734,072APPLICANT  
MARK E. TUTTLE ET AL.LIST OF ART CITED BY APPLICANT  
(Use several sheets if necessary)FILING DATE  
DEC. 10, 2003GROUP  
2891

## U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
<i>CME</i>	AA	4,827,110	05/1989	ROSSI ET AL.	235	376	
	AB	4,827,395	05/1989	ANDERS ET AL.	364	138	
	AC	4,854,328	08/1989	POLLACK	128	736	
	AD	4,911,217	03/1990	DUNN ET AL.	152	152.1	
	AE	4,918,631	04/1990	HARA ET AL.	364	708	
	AF	4,942,327	07/1990	WATANABE ET AL.	310	313 R	
	AG	4,962,415	10/1990	YAMAMOTO ET AL.	357	74	
	AH	5,008,776	04/1991	QUEYSSAC	361	392	
	AI	5,023,573	06/1991	ADAM	333	17.2	
<i>CME</i>	AJ	5,095,240	03/1992	NYSEN ET AL.	310	313	

## FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
<i>CME</i>	AK	JP 2-36476	3/1990	Japan (Fijitsu Ltd)	G06F	015/40	Abs	
<i>CME</i>	AL	0 595 549 A2	10/1993	EPO (Hughes-Microelectronics)	H04Q	9/00	X	
<i>CME</i>	AM	38 24 870 A1	04/1989	DE (Mitsubishi)	G06K	7/01		X

## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)

	AN	
	AO	
	AP	

EXAMINER

DATE CONSIDERED

*Chen**10-19-06*

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

EV8328329 17

Sheet 4 of 6

Form PTO-1449				ATTY. DOCKET NO. M140369		SERIAL NO. 10/734,072		
U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE				EV850817289 COPY				
LIST OF ART CITED BY APPLICANT (Use several sheets if necessary)				FILING DATE DEC. 10, 2003		GROUP 2891		
U.S. PATENT DOCUMENTS								
Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
CME	AA	5,124,782	06/1992	HUNDT ET AL.	257	724		
	AB	5,134,277	07/1992	YERBURY ET AL.	250	214		
	AC	5,144,314	09/1992	MALMBERG ET AL.	342	44		
	AD	5,148,504	09/1992	LEVI ET AL.	385	14		
	AE	5,153,710	10/1992	McCAIN	357	75		
	AF	5,164,732	11/1992	BRACKELSBY ET AL.	342	44		
	AG	5,175,418	12/1992	TANAKA	235	439		
	AH	5,214,410	05/1993	VERSTER	340	572		
	AI	5,274,221	12/1993	MATSUBARA	235	492		
CME	AJ	5,302,954	04/1994	BROOKS ET AL.	342	44		
FOREIGN PATENT DOCUMENTS								
		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
	AK							
	AL							
	AM							
OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)								
	AN							
	AO							
	AP							
EXAMINER C. Kuehner		DATE CONSIDERED 10-19-06						
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.								

Form PTO-1449

EV850817289

ATTY. DOCKET NO.  
M140-369SERIAL NO.  
10/734,072U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEAPPLICANT  
MARK E. TUTTLE ET AL.LIST OF ART CITED BY APPLICANT  
(Use several sheets if necessary)FILING DATE  
DEC. 10, 2003GROUP  
2891

## U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
CME	AA	5,313,211	05/1994	TOKUDA ET AL.	340	50	
	AB	5,317,309	05/1994	VERCELLOTTI ET AL.	340	825	
	AC	5,337,063	08/1994	TAKAHIRA	343	741	
	AD	5,340,968	08/1994	WATANABE ET AL.	235	380	
	AE	5,347,263	09/1994	CARROLL ET AL.	340	825	
	AF	5,414,427	05/1995	GUNNARSON	342	825	
	AG	5,448,110	09/1995	TUTTLE ET AL.	257	723	
	AH	5,497,140	03/1996	TUTTLE	342	51	
	AI	5,541,399	07/30/96	DE VALL	235	491	
CME	AJ	5,572,226	11/1996	TUTTLE	343	726	

## FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
	AK							
	AL							
	AM							

## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)

	AN	
	AO	
	AP	

EXAMINER

C. Huerbas

DATE CONSIDERED

10-19-06

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449

EV850817289

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
MI40-369SERIAL NO.  
10/734,072LIST OF ART CITED BY APPLICANT  
(Use several sheets if necessary)APPLICANT  
MARK E. TUTTLE ET AL.FILING DATE  
DEC. 10, 2003GROUP  
2891

## U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
CME	AA	5,719,586	02/19981	TUTTLE ET AL.	343	726	
	AB	5,776,278	07/1998	TUTTLE ET AL.	156	213	
	AC	5,779,839	07/1998	TUTTLE ET AL.	156	213	
	AD	5,955,949	09/1999	COCITA	340	572	
	AE	5,982,284	11/1999	BALDWIN ET AL.	340	572	
	AF	6,265,977	07/2001	VEGA ET AL.	340	572	
	AG	6,294,998	09/2001	ADAMS ET AL.	340	572	
	AH	5,055,968	10/08/91	NISHI ET AL.	361	395	
	AI	5,166,502	11/24/92	RENDLEMAN ET AL.	235	492	
CME	AJ	4,857,893	08/15/89	CARROLL	340	572	

## FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
	AK						
	AL						
	AM						

## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)

	AN	
	AO	
	AP	
EXAMINER Chusker	DATE CONSIDERED 10-19-06	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.